

1. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic, comprising:

a transparent substrate; and

a said reflector comprising a predetermined number of pairs of a first film having a high refractive index and a second film having a low refractive index, each of said first and second films being composed of a dielectric material, and stacked on said transparent substrate, wherein:

said first film has a refractive index of light of not less than 1.8 at a wavelength of 550 nm, and said second film is stacked on said first film, said second film having a refractive index of light of not more than 1.5 at the wavelength of 550 nm;

said predetermined number is an integer not less than 1 and each of said first and second films has a thickness that allows the light reflectance in a visible light region of said reflector to fall within a range of 5 - 95% and the difference between a maximum value and a minimum value of light reflectance of wavelength components in the visible light region to be approximately 10% or less.

2. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 1, including a transparent roughened surface scattering layer stacked on said transparent substrate.

3. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 1, wherein said light reflectance in the visible light region of said reflector is in a range of not less than 5% but less than 25%.

4. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 3, wherein when said predetermined number is 1, said first film has a film thickness of 20 - 130 nm, and said second film has a film thickness of 50 - 110 nm.

5. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 3, wherein when said predetermined number is 2, said first film has a film thickness of 5 - 60 nm, and said second film has a film thickness of 5 - 150 nm.

6. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 3, wherein when said predetermined number is 3, said first film has a film thickness of 3 - 80 nm, and said second film has a film thickness of 5 - 160 nm.

7. (Currently Amended) A substrate for transreflective liquid crystal display elements A liquid crystal display having a transreflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 3, wherein when said predetermined number is 4, said first film has a film thickness of 5 - 80 nm, and said second film has a film thickness of 5 - 80 nm.

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15. (Currently Amended) A substrate for transreflective liquid crystal display elements A liquid crystal display having a transreflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 1, wherein said light reflectance in the visible light region of said reflector is in a range of not less than 45% but less than 65%.

16. (Currently Amended) A substrate for transreflective liquid crystal display elements A liquid crystal display having a transreflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 15, wherein when said predetermined number is 2, said first film has a film thickness of 60 - 180 nm, and said second film has a film thickness of 40 - 90 nm.

17. (Currently Amended) A substrate for transreflective liquid crystal display elements A liquid crystal display having a transreflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 15, wherein when said predetermined number is 3, said first film has a film thickness of 20 - 160 nm, and said second film has a film thickness of 10 - 150 nm.

18. (Currently Amended) A substrate for transreflective liquid crystal display elements A liquid crystal display having a transreflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 15, wherein when said predetermined number is 4, said first film has a film thickness of 20 - 180 nm, and said second film has a film thickness of 10 - 110 nm.

19. (Currently Amended) A substrate for transreflective liquid crystal display elements A liquid crystal display having a transreflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 15, wherein when said predetermined number is 5, said first film has a film thickness of 30 - 190 nm, and said second film has a film thickness of 10 - 140 nm.

20. (Currently Amended) A substrate for transreflective liquid crystal display elements A liquid crystal display having a transreflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 15, wherein when said predetermined number is 6, said first film has a film thickness of 10 - 150 nm, and said second film has a film thickness of 10 - 100 nm.

21. (Currently Amended) A substrate for transreflective liquid crystal display elements A liquid crystal display having a transreflective function given by a reflector with a stack of films

having a partly transmissive reflection characteristic as claimed in claim 15, wherein when said predetermined number is 7, said first film has a film thickness of 20 - 150 nm, and said second film has a film thickness of 5 - 110 nm.

22. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 15, wherein when said predetermined number is 8, said first film has a film thickness of 20 - 130 nm, and said second film has a film thickness of 5 - 110 nm.

23. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 15, wherein when said predetermined number is 9, said first film has a film thickness of 20 - 120 nm, and said second film has a film thickness of 10 - 90 nm.

24. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 1, wherein said light reflectance in the visible light region of said reflector is in a range of not less than 65% but less than 95%.

25. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 24, wherein when said predetermined number is 3, said first film has a film thickness of 80 - 160 nm, and said second film has a film thickness of 40 - 110 nm.

26. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 24, wherein when said predetermined number is 4, said first film has a film thickness of 60 - 140 nm, and said second film has a film thickness of 40 - 100 nm.

27. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 24, wherein when said predetermined number is 5, said first film has a film thickness of 30 - 130 nm, and said second film has a film thickness of 20 - 170 nm.

28. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 24, wherein when said predetermined number is 6, said first film has a film thickness of 20 - 180 nm, and said second film has a film thickness of 10 - 140 nm.

29. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 24, wherein when said predetermined number is 7, said first film has a film thickness of 10 - 150 nm, and said second film has a film thickness of 30 - 130 nm.

30. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 24, wherein when said predetermined number is 8, said first film has a film thickness of 5 - 200 nm, and said second film has a film thickness of 5 - 150 nm.

31. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 24, wherein when said predetermined number is 9, said first film has a film thickness of 5 - 200 nm, and said second film has a film thickness of 5 - 140 nm.

32. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 1, wherein said second film is formed of a material having a low refractive index consisting essentially of at least one compound selected from the group consisting of silicon dioxide, magnesium fluoride, calcium fluoride, and lithium fluoride.

33. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 1, wherein said second film includes a film located farthest from said transparent substrate, said film being formed of silicon dioxide and having a film thickness of not less than 20 nm.

34. (Currently Amended) A substrate for transflective liquid crystal display elements A liquid crystal display having a transflective function given by a reflector with a stack of films having a partly transmissive reflection characteristic as claimed in claim 1, wherein said first film is formed of a material having a high refractive index consisting essentially of at least one compound selected from the group consisting of titanium dioxide, zirconium dioxide, tantalum pentoxide, and tin oxide.